

**EU SAFETY DATA SHEET**  
**KEMITURASIL**  
**AM-1-120, AM-1-175**

Revision 21-01-2015 (GB) Version 6

Print Date 25-02-2015

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:**

Product Information

**Trade name:** KEMITURASIL AM-1-120, AM-1-175

Supplier:

Kemitura A/S

Industrivej 9

3540 Lyngø

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Field of application:

Rheological control, Flow agent, Reinforcing agent in Coatings, Adhesives, Substance/Preparation and/or sealants, Silicone elastomer, Rubber products, Dispersion, Suspension.

**2. HAZARDS IDENTIFICATION:**

Not a hazardous substance or preparation according to EC-directives 677548/EEC or 99/45/EC and their various amendments and adaptations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS:**

Name	CAS no.:	EINECS	Weight, %	Classification	R-phrases
Silane, dichlorodimethyl-reaction products with silica	68611-44-9	271-893-4	100	-	-

**4. FIRST AID MEASURES:**

Skin contact: Wash thoroughly with soap and water. Seek medical attention if redness, swelling, itching or burning occurs.

Eye contact: Flush eyes immediately with large amounts of water for 15 minutes. Seek medical attention if redness, swelling, itching, burning or visual disturbances occur.

Inhalation: If cough, shortness of breath or other breathing problems occur, move to fresh air. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures.

Ingestion: Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.

Notes to physician: Treat symptomatically.

**5. FIRE-FIGHTING MEASURES:**

Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment: Wear suitable protective equipment. In the event of fire, wear self-contained breathing apparatus.

## EU SAFETY DATA SHEET

### KEMITURASIL AM-1-120, AM-1-175

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<u>Specific hazards:</u>	Product resists ignition and does not promote flame spread.
<u>Risk of dust explosion:</u>	This product is an inorganic dust and will not create nor support conditions that would result in a dust explosion or fire.

#### 6. ACCIDENTAL RELEASE MEASURES:

<u>Personal precaution:</u>	Avoid dust formation. Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. See also Section 8.
<u>Methods for cleaning up:</u>	Clean up promptly by vacuum. Do not create a dust cloud by using a brush or compressed air. Pick up and transfer to properly labelled containers. See section 13.
<u>Environmental precautions:</u>	No special environmental precautions required. Local authorities should be advised if significant spillages cannot be contained.

#### 7. HANDLING AND STORAGE:

<u>Handling:</u>	Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Do not create a dust cloud by using a brush or compressed air. Take precautionary measures against static discharge. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.
<u>Storage:</u>	Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store together with volatile chemicals as they may be adsorbed onto product. Keep at ambient temperatures.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

<u>Engineering Controls:</u>	Ensure adequate ventilation to maintain exposures below occupational limits. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
Exposure limits Silica, UK WEL: 6 mg/m <sup>3</sup> , TWA, Total inhalable fraction 2.4 mg/m <sup>3</sup> , TWA Respirabel	
<b>Personal protection:</b>	
<u>Respiratory Protection:</u>	Approved respirator may be necessary if local exhaust is not adequate (Filter P2).
<u>Hand protection:</u>	Wear suitable gloves. Gloves should be chosen in consultation with the glove supplier, with information on effects from other substances in the work place. Use protective skin cream before handling the product.
<u>Eye protection:</u>	Wear suitable safety glasses with side-shields or goggles.
<u>Skin protection:</u>	Wear suitable protective clothing.
<u>Other:</u>	Use in accordance with good industrial hygiene and safety practices. Emergency eye wash and safety shower should be located nearby.

## EU SAFETY DATA SHEET

**KEMITURASIL**  
**AM-1-120, AM-1-175**

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder
Odour:	None
pH:	≥ 3,9
Density:	2.0 g/cm <sup>3</sup> @ 20 °C
Boiling point:	2230 °C
Melting point:	1700 °C
Vapour pressure:	<1e-5
Solubility in water:	Insoluble

### 10. STABILITY AND REACTIVITY:

<u>Stability:</u>	Stable.
<u>Hazardous polymerisation:</u>	Will not occur.
<u>Mechanical sensitivity (shock):</u>	Not sensitive to mechanical impact.
<u>Conditions to avoid:</u>	Keep away from heat and sources of ignition. Avoid dust formation.
	Product resists ignition and does not promote flame spread.

### 11. TOXICOLOGICAL INFORMATION:

<u>Acute toxicity Oral LD50 (rat):</u>	=>5000 mg/kg
<u>Eye Irritation:</u>	Draize score 0.0/110 @ 24hr. Non-irritating
<u>Skin irritation:</u>	0/8. Non-irritating
<u>Eye contact:</u>	May cause mechanical irritation. Irritating, but will not permanently injure eye tissue. Low hazard for usual industrial or commercial handling.
<u>Skin contact:</u>	Repeated exposure may cause skin dryness or cracking.
<u>Inhalation:</u>	Dust may be irritating to respiratory tract.
<u>Ingestion:</u>	Health injuries are not known or expected under normal use. Low hazard for usual industrial or commercial handling.
<u>Sensitizing effects:</u>	Contains no known sensitizers
<u>Target organ effects:</u>	Lungs
<u>Medical conditions:</u>	Asthma, respiratory disorder

### 12. ECOLOGICAL INFORMATION:

<u>Aquatic toxicity:</u>	Fish (Brachydanio rerio) ECO (96hr): > 10,000 mg/l (OECD 203) daphnia magna ECO(24hr.): >10,000 mg/l (OECD 202) Algae EL50 (72 hr growth inhibition): => 10,000 mg/l (OECD 201)
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**Environmental fate:**

## EU SAFETY DATA SHEET

KEMITURASIL  
AM-1-120, AM-1-175

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<u>Mobility:</u>	Not expected to migrate.
<u>Bioaccumulation:</u>	According to experience not expected.
<u>Persistence/degradability:</u>	The methods for determining biodegradability are not applicable to inorganic substances.

### 13. DISPOSAL CONSIDERATIONS:

Material should be disposed of in accordance with National and Local regulations.

### 14. TRANSPORT INFORMATION:

<b>ADR:</b>	Not dangerous goods
<b>RID:</b>	Not dangerous goods
<b>IMDG:</b>	Not dangerous goods
<b>IATA:</b>	Not dangerous goods

### 15. REGULATORY INFORMATION:

According to EEC Directive 67/548/EEC the product is labelled as follows:

Not a hazardous substance or preparation according to EC-directives 677548/EEC or 99/45/EC and their various amendments and adaptations.

### 16. OTHER INFORMATION:

Date of revision:	Version 6.	21.01.2015
Literature references:	EC regulation 1907/2006 EC regulation No. 453/2010 ECHA C&L Inventory	

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

|| Indicates updated section.